

PHOTOGRAPHIC INTERPRETATION REPORT

IPIR
GOLDEN TREE MISSION 3865
17 MARCH 1964

Declass Review by
NIMA/DOD

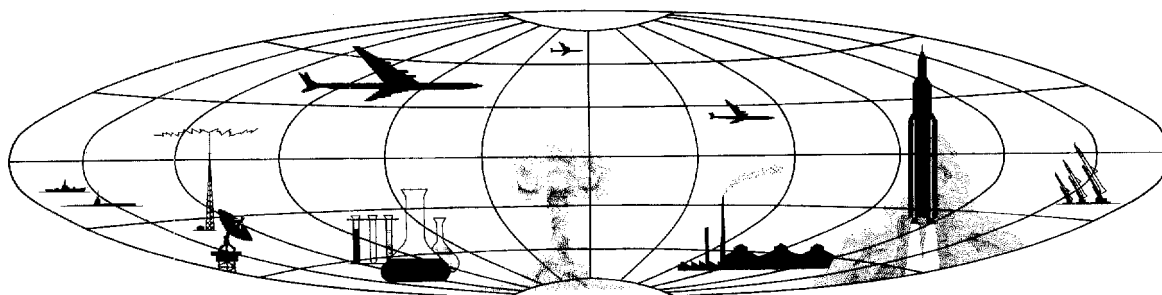


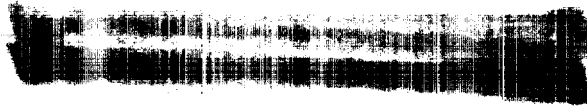
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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER





W A R N I N G

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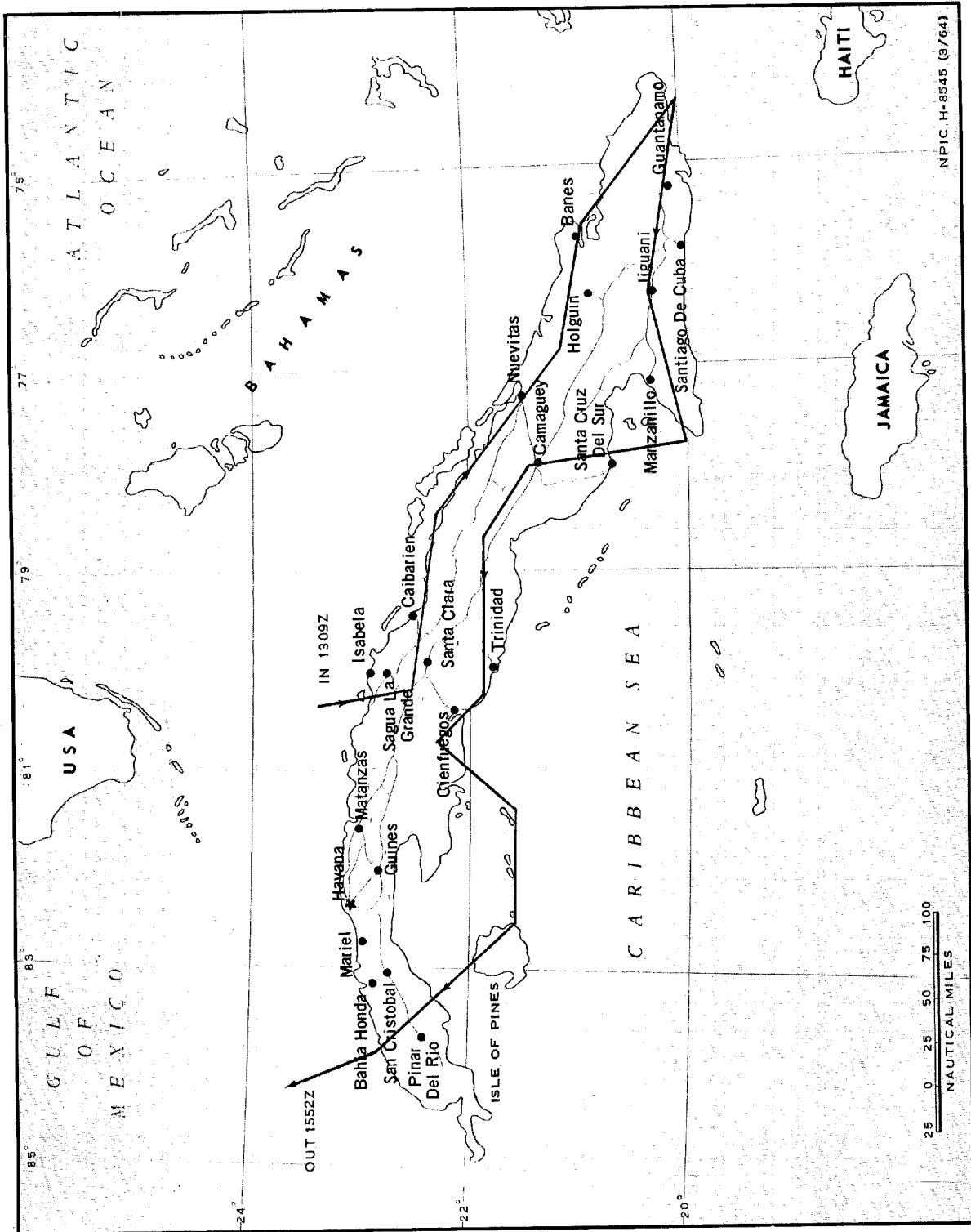
PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GOLDEN TREE MISSION 3865, DATED 17 MAR 1964. THE NUMBER APPEARING AT THE END OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), PQ (POOR IMAGE QUALITY).

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APPROXIMATE TRACK OF GOLDEN TREE MISSION 3865, 17 MARCH 1964

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25X1

MISSILES

CIENFUEGOS SAM SITE 2202N 08024W

SIX UNREVIEWED LAUNCHERS (2 WITH MISSILES), ONE PROBABLE CANVAS-COVERED MISSILE TRANSPORTER, 6 PROBABLE TRACKED PRIME MOVERS, 3 NET-COVERED HOLD AREAS, 2 UNIDENTIFIED VEHICLES, ONE PROBABLE VAN TRAILER, AND A GUIDANCE AREA WITH RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED IN CLOUD-FREE AREAS. NO APPARENT CHANGE IN FACILITIES IN CLOUD-FREE AREAS.

25X1

SAGUA LA GRANDE SAM SITE 2251N 08005W

SIX REVIEWED LAUNCHERS (5 CANVAS-COVERED), ONE CANVAS-COVERED HOLD AREA, ONE CANVAS-COVERED PARKING AREA, AND A GUIDANCE REVETMENT CONTAINING RADAR, 3 NET-COVERED VAN TRAILERS, AND CANVAS-COVERED EQUIPMENT OBSERVED. IN ADDITION, 2 LAUNCHERS, ONE PROBABLE FAN SONG RADAR, 6 VAN TRUCKS, AND 5 TRAILERS ARE ADJACENT TO HOLD AREA. NO APPARENT CHANGE IN FACILITIES.

25X1

CAIBARIEN SAM SITE 2228N 07929W

SIX UNREVIEWED LAUNCHERS (3 CANVAS-COVERED, 3 PROBABLY WITH MISSILES), ONE CANVAS-COVERED MISSILE TRANSPORTER, ONE CANVAS-COVERED HOLD AREA, ONE CANVAS-COVERED PARKING AREA, 2 CARGO TRUCKS, 3 VAN TRAILERS, AND A GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA SAM SITE 1959N 07550W

SIX UNREVIEWED LAUNCHERS (2 PROBABLY WITH MISSILES)

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AND 3 CANVAS-COVERED), 5 MISSILE TRANSPORTERS (4 CANVAS-COVERED), 5 UNIDENTIFIED VEHICLES, 3 VAN TRAILERS, AND A GUIDANCE AREA WITH RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. IN ADDITION, 2 LAUNCHERS, ONE PROBABLE FAN SONG RADAR, 5 VAN TRUCKS, AND 3 VAN TRAILERS OBSERVED IN SUPPORT AREA. NO APPARENT CHANGE IN FACILITIES.

25X1

25X1

SANTIAGO DE CUBA SAM ASSEMBLY AREA 2003N 07553W

TWO PROBABLE MISSILE TRANSPORTERS, ONE PROBABLE MISSILE ON TRANSPORTER, AN UNDETERMINED NUMBER OF PARTIALLY CANVAS-COVERED MISSILE TRANSPORTERS, 6 CARGO TRUCKS, NUMEROUS OTHER VEHICLES, AND NUMEROUS MISSILE CANISTERS OBSERVED IN CLOUD-FREE AREAS.

25X1

CIFUENTES SAM ASSEMBLY AREA 2236N 08005W

NO APPARENT CHANGE IN FACILITIES. FOLIAGE PRECLUDES INTERPRETATION.

25X1

MALDONADO SAM SITE 2012N 07528W

SIX REVETTED LAUNCHERS (3 WITH MISSILES), ONE MISSILE ON TRANSPORTER AT LAUNCHER, ONE CANVAS-COVERED HOLD AREA, AT LEAST 13 CANVAS-COVERED TRACKED PRIME MOVERS, 2 CARGO TRUCKS, AND A GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1

CAMAGUEY AIRFIELD SAM SITE 2122N 07750W

SIX UNRETTED LAUNCHERS AND A GUIDANCE AREA

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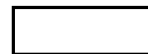
WITH RADAR AND CANVAS-COVERED EQUIPMENT
OBSERVED IN CLOUD-FREE AREAS.

25X1



25X1

HOLGUIN SAM SITE 2052N 07627W



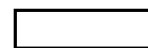
SIX UNREVIEWED LAUNCHERS (2 CANVAS-COVERED), AT
LEAST 5 MISSILE TRANSPORTERS (ONE ADJACENT TO
LAUNCHER), APPROXIMATELY 25 VEHICLES, AND AN OCCUPIED
GUIDANCE AREA OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1



25X1

SANTA CLARA SAM SITE 2229N 08000W



SIX UNREVIEWED LAUNCHERS (3 CANVAS-COVERED), 2
CANVAS-COVERED HOLD AREAS, ONE MISSILE TRANSPORTER
ADJACENT TO LAUNCHER, 8 TRACKED PRIME MOVERS
(4 CANVAS-COVERED), 7 CARGO TRUCKS, ONE UTILITY
TRUCK, 4 TRUCK-MOUNTED CRANES, 3 VAN TRAILERS, AND A
GUIDANCE AREA CONTAINING RADAR AND
CANVAS-COVERED EQUIPMENT OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1

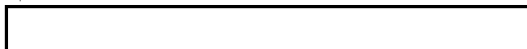


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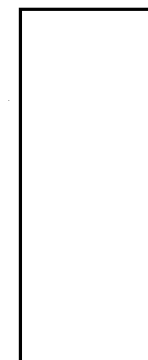
NUEVITAS SAM SITE 2 2132N 07717W

THREE UNREVIEWED LAUNCHERS AND A GUIDANCE AREA WITH
RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED IN
CLOUD-FREE AREAS.

25X1



PRESTON SAM SITE 2044N 07538W



SIX REVIEWED LAUNCHERS, 2 POSSIBLE MISSILE
TRANSPORTERS, APPROXIMATELY 10 OTHER VEHICLES, AND
A GUIDANCE REVETMENT WITH RADAR AND OTHER EQUIPMENT
OBSERVED.
OBLIQUITY LIMITS INTERPRETATION.

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25X1



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SIGUANEA CRUISE-MISSILE SITE 2137N 08258W

TWO REVETTED LAUNCHERS, 5 MISSILE TRANSPORTERS (2 AT LAUNCHERS), 3 NET-COVERED HOLD AREAS, 4 CARGO TRUCKS, 2 OTHER VEHICLES, 8 CANVAS-COVERED CRUISE-MISSILE CRATES, AND A CANVAS-COVERED GUIDANCE AREA OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

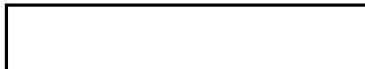
25X1



BANES CRUISE-MISSILE SITE 2058N 07538W

TWO REVETTED LAUNCHERS, 7 MISSILE TRANSPORTERS, ONE PROBABLE MISSILE TRANSPORTER, 3 CANVAS-COVERED HOLD AREAS, 2 CARGO TRUCKS, AT LEAST 12 OTHER VEHICLES, 7 PROBABLE CRUISE-MISSILE CRATES, AND A CANVAS-COVERED GUIDANCE AREA OBSERVED.
FACILITIES INCLUDE 4 BARRACKS BUILDINGS, 3 PROBABLE SUPPORT BUILDINGS, 11 LARGE TENTS (8 NON-SOVIET), 2 MEDIUM TENTS, AND 3 CANVAS-COVERED EQUIPMENT AREAS.

25X1

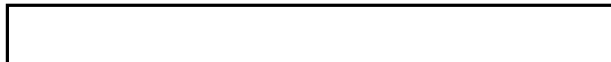


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MAYARI ARRIBA CRUISE-MISSILE ACTIVITY 2027N 07531W

APPROXIMATELY 50 VEHICLES OBSERVED.
OBLIQUITY LIMITS INTERPRETATION.

25X1



AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD 2229N 07955W

AIRCRAFT -- 15 FAGOT/FRESCO, 8 HOUND, AND 2 HARE.

25X1



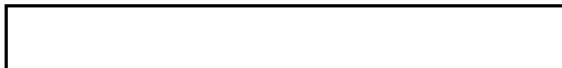
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CAMAGUEY INTERNATIONAL AIRFIELD 2125N 07750W

NO AIRCRAFT OBSERVED IN CLOUD-FREE AREAS.



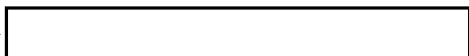
HOLGUIN AIRFIELD 2047N 07618W

AIRCRAFT -- 10 FAGOT/FRESCO, ONE PROBABLE COLT,
AND AT LEAST 7 PROBABLE HOUND.
OBLIQUITY LIMITS INTERPRETATION.



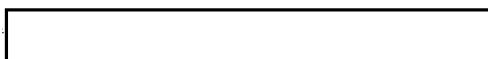
ANTONIO MACEO AIRFIELD 1958N 07550W

AIRCRAFT -- ONE COOT, ONE CRATE, ONE C-47,
ONE LIAISON, AND ONE HOUND.



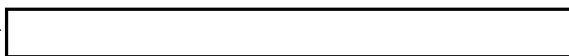
BAYAMO AIRFIELD EAST 2022N 07637W

AIRCRAFT -- 4 COLT AND 2 PROBABLE COLT.



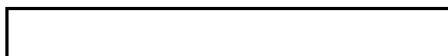
PINAR DEL RIO AIRFIELD 2225N 08340W

AIRCRAFT -- 4 LIAISON OBSERVED IN
CLOUD-FREE AREAS.



CAIBARIEN AIRFIELD 2230N 07928W

AIRCRAFT -- 2 LIAISON AND 3 HOUND.



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NAVAL ACTIVITY/PORTS

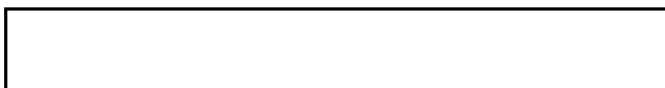
SIGUANEA NAVAL BASE 2136N 08258W

VESSELS -- 2 PROBABLE P-6 MTB, 2 PROBABLE YP,
AND ONE UNIDENTIFIED VESSEL.



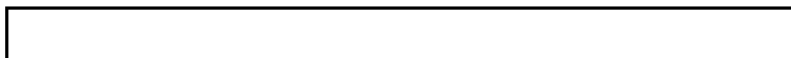
CIENFUEGOS NAVAL BASE 2208N 08027W

VESSELS -- 2 KRONSTADT-CLASS PC, ONE PCE,
6 P-6 MTB, ONE YP, AND 3 LARGE FREIGHTERS.



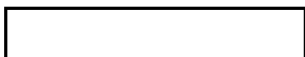
SANTIAGO DE CUBA NAVAL BASE AND PORT 2001N 07550W

VESSELS -- 6 LARGE FREIGHTERS (ONE
LEAVING PORT).



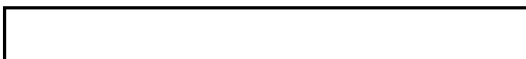
MANZANILLO PORT 2021N 07707W

NO LARGE VESSELS OBSERVED.



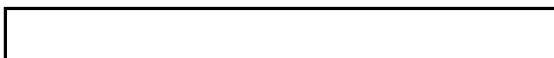
MOA PORT 2039N 07456W

VESSELS -- ONE LARGE FREIGHTER.



NUEVITAS PORT 2132N 07715W

VESSELS -- 2 LARGE FREIGHTERS OBSERVED
IN CLOUD-FREE AREAS.



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NUEVA GERONA PORT 2153N 08248W

VESSELS -- ONE POSSIBLE YP OBSERVED IN
CLOUD-FREE AREAS.

25X1

LA ISABELA PORT 2256N 08000W

VESSELS -- 2 LARGE FREIGHTERS.

25X1

CAIBARIEN PORT 2231N 07928W

ONE FREIGHTER ANCHORED NW OF CAYO FRANCIS.

25X1

CASILDA PORT 2145N 07959W

VESSELS -- ONE LARGE TANKER.

25X1

JUCARO PORT 2137N 07851W

VESSELS -- ONE LARGE FREIGHTER WITH 2
LIGHTERS ALONGSIDE.

25X1

MILITARY ACTIVITY

GUANTANAMO AREA 2018N 07525W

NO NEW MILITARY ACTIVITY OBSERVED IN
CLOUD-FREE AREAS.

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HOLGUIN MILITARY CAMP 2053N 07613W



25X1

OFELIA MILITARY CAMP 2006N 07530W

NO APPARENT CHANGE IN FACILITIES.
THIRTY-SEVEN TANKS/SP GUNS, 101 CARGO TRUCKS,
10 UTILITY TRUCKS, 4 VAN TRUCKS, 8 UNIDENTIFIED
VEHICLES, 6 UNIDENTIFIED PIECES OF EQUIPMENT,
33 FA PIECES, 13 AAA PIECES, AND 18 MORTARS OBSERVED.



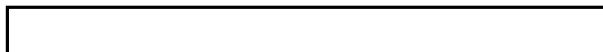
REMEDIOS MILITARY AREA 2227N 07935W

MAIN CAMP -- NO APPARENT CHANGE IN FACILITIES.
SIX CANVAS-COVERED BRDM APC, 35 CARGO TRUCKS,
4 VAN TRUCKS, 4 UTILITY TRUCKS, 5 CARGO TRAILERS,
4 VAN TRAILERS, AND 12 FA PIECES OBSERVED.
CAMP .8 NM NW -- SITE ABANDONED. NO
VEHICLES OR EQUIPMENT OBSERVED.



ALTO CEDRO MILITARY CAMP 2029N 07600W

AREA 1 -- 22 VEHICLES OR PIECES OF EQUIPMENT.
AREA 2 -- 5 VEHICLES.
AREA 3 -- 20 VEHICLES.
AREA 4 -- AT LEAST 18 VEHICLES OR PIECES
OF EQUIPMENT.
AREA 5 -- IDENTIFICATION ONLY.
AREA 6 -- IDENTIFICATION ONLY.
AREA 7 -- 13 VEHICLES OR PIECES OF EQUIPMENT.
AREA 8 -- IDENTIFICATION ONLY.
AREA 9 -- 26 VEHICLES OR PIECES OF EQUIPMENT.
AREA 10 -- IDENTIFICATION ONLY.



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SANTA CLARA AREA MILITARY ACTIVITY 2220N 07957W

TWENTY-TWO TANKS/SP GUNS, 3 CARGO TRUCKS, AND
ONE VAN TRUCK OBSERVED.

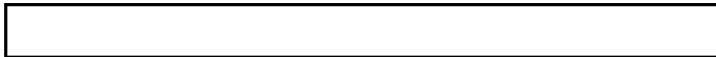
25X1



EL CRISTO MILITARY INSTALLATION 2008N 07547W

MAIN CAMP -- IDENTIFICATION ONLY.
CAMP 1.6 NM NE -- 22 CARGO TRUCKS, 8 UTILITY
TRUCKS, ONE CARGO TRUCK WITH DOZER BLADE,
ONE TRACKED PRIME MOVER WITH DOZER BLADE,
AND ONE POSSIBLE BACKHOE.

25X1



SANTA FE MILITARY CAMP LUMUMBA 2142N 08249W

TEN CARGO TRUCKS OBSERVED. THE 3-GUN
AAA SITE APPEARS OCCUPIED.

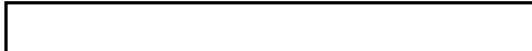
25X1



MATAGUA MILITARY CAMP 2215N 08002W

ONE CARGO TRUCK OBSERVED.

25X1



JURAGUA MILITARY ACTIVITY 2209N 08035W

FIFTEEN CARGO TRUCKS AND 16 FA PIECES OBSERVED.

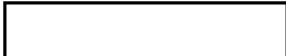
25X1



HOLGUIN MILITARY CAMP NW 2057N 07616W

AT LEAST 20 TANKS/SP GUNS, 4 CARGO TRUCKS,
AND 6 PROBABLE AAA PIECES OBSERVED.

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LA JUTIA MILITARY INSTALLATION 2154N 08015W

THREE CARGO TRUCKS AND 3 UNIDENTIFIED
VEHICLES OBSERVED.

25X1

TRINIDAD AREA POSS MIL HEADQUARTERS 2150N 07953W

TEN CARGO TRUCKS AND 12 FA PIECES OBSERVED.

25X1

ALTAGRACIA MILITARY AREA 2123N 07742W

AT LEAST 14 TANKS/SP GUNS OBSERVED
IN CLOUD-FREE AREAS.

25X1

ANTON RECIO MILITARY INSTALLATION 2211N 08036W

NO APPARENT CHANGE IN FACILITIES EXCEPT THE
MAIN ROAD IS BEING PAVED.

TWENTY-ONE TANKS/SP GUNS, ONE PROBABLE
BRDM APC, 3 CARGO TRUCKS, AND 3 UNIDENTIFIED
VEHICLES OBSERVED.

THE 6-GUN AAA SITE IS OCCUPIED. SEVEN
CARGO TRUCKS OBSERVED AT SITE.

25X1

SANTA CLARA AREA ARTILLERY TRAINING AREA 2222N 08000W

AREA 1 -- 2 LARGE TENTS, 12 CANVAS-COVERED
BRDM APC, 8 CARGO TRUCKS, ONE VAN TRUCK, AND
3 CARGO TRAILERS.

AREA 2 -- SITE ABANDONED.

AREA 3 -- NO VEHICLES OR EQUIPMENT OBSERVED.

AREA 4 -- 18 CARGO TRUCKS.

AREA 5 -- 22 CANVAS-COVERED TANKS/SP GUNS,
10 CARGO TRUCKS, AND 3 VAN TRUCKS.

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SANTA ISABEL FINCA MILITARY CAMP 2005N 07528W

MAIN CAMP -- 13 CARGO TRUCKS AND 4 MORTARS
OBSERVED IN CLOUD-FREE AREAS.

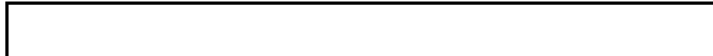
25X1



TACAJO MILITARY CAMP 2051N 07558W

AREA 1 -- IDENTIFICATION ONLY.
AREA 2 -- ABANDONED.
AREA 3 -- 20 CARGO TRUCKS AND 18 PROBABLE MORTARS.
AREA 4 -- AT LEAST 13 CARGO TRUCKS, 18 PROBABLE
FA PIECES, AND AN OCCUPIED 6-GUN AAA SITE.
AREA 5 -- 15 CARGO TRUCKS, 3 OTHER VEHICLES, 3
POSSIBLE AAA PIECES, AND AN OCCUPIED 6-GUN AAA SITE.
AREA 6 -- 13 CARGO TRUCKS AND 12 OTHER VEHICLES.
AREA 7 -- 11 CARGO TRUCKS AND 3 OTHER VEHICLES.
AREA 8 -- ABANDONED.
AREA 9 -- 14 TANKS/SP GUNS AND 2 PROBABLE
CARGO TRUCKS.

25X1

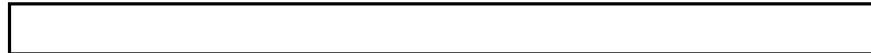


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DOS CAMINOS MILITARY TRAINING AREA 2014N 07547W

THIRTY TRACKED PRIME MOVERS, 33 CARGO TRUCKS,
ONE VAN TRUCK, AND 70 FA PIECES OBSERVED.
THE 6-GUN AND 3-GUN AAA SITES REMAIN OCCUPIED.

25X1



LA VEGUITA MILITARY CAMP 2049N 07615W

AT LEAST 15 VEHICLES AND 10 POSSIBLE
FA PIECES OBSERVED.

25X1



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SANTA CLARA MILITARY CAMP CUBANACAN 2224N 07952W

CUBANACAN -- 12 TRACTOR-TRAILER TRUCKS, 42 CARGO TRUCKS, 3 UTILITY TRUCKS, 8 VAN TRUCKS, 2 VAN TRAILERS, ONE UNIDENTIFIED VEHICLE, AND 10 UNIDENTIFIED PIECES OF EQUIPMENT.
STORAGE AREA NORTH -- 2 AUTOMOBILES.
ESCUELA TECNOLOGICA -- 5 CARGO TRUCKS.

25X1

SANTA FE MILITARY AREA 2144N 08247W

MAIN CAMP -- NO APPARENT CHANGE IN FACILITIES.
NINE CARGO TRUCKS AND 12 FA PIECES OBSERVED IN CLOUD-FREE AREAS.
CAMP 1.5 NM WEST -- NO APPARENT CHANGE IN FACILITIES. THE 6-GUN AAA SITE REMAINS OCCUPIED.
CAMP .8 NM NW -- IDENTIFICATION ONLY.

25X1

LA VEGA MILITARY CAMP 2053N 07552W

THIRTEEN CARGO TRUCKS, 12 FA PIECES, AND 2 OCCUPIED 3-GUN AAA SITES OBSERVED.

25X1

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-STATUS OF OTHER TARGETS OBSERVED-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE
SINCE LAST COVERAGE--

25X1

LOS CANOS AIRFIELD	2005N 07509W
JAIME GONZALES AIRFIELD	2209N 08024W
TRINIDAD AIRFIELD	2147N 07959W
PUERTO PADRE PORT	2113N 07632W
CAMAGUEY MILITARY INSTALLATION	2117N 07800W
SIBONEY LANDING BEACH	1957N 07542W
PLAYA YATERITAS LANDING BEACH	1958N 07457W
CIENFUEGOS LANDING BEACH	2202N 08036W
MAR VERDE LANDING BEACH	1957N 07557W
ENSENADA COLORADO LANDING BEACH	2202N 08025W
PLAYA COLOMBO LANDING BEACH	2154N 08246W
PLAYA DE FLAMENCOS LANDING BEACH	2153N 08243W
NICARO LANDING BEACH	2042N 07533W

25X1

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT
NOT INTERPRETED--

SAN CRISTOBAL MRBM SITE 3	2242N 08308W
SAGUA LA GRANDE MRBM SITE 2	2239N 07951W
SAN CRISTOBAL MRBM SITE 4	2246N 08258W
LOS ANGELES SAM SITE	2100N 07541W
SIGUANEA SAM SITE	2137N 08257W
DELEITE SAM SITE	2259N 08045W
VICTORIA DE LAS TUNAS SAM ASSEMBLY AREA	2104N 07700W
SANTIAGO DE CUBA CRUISE-MISSILE STORAGE	2004N 07551W
SIGUANEA AIRFIELD	2138N 08257W
MANZANILLO MILITARY CAMP	2017N 07707W
PINAR DEL RIO MILITARY CAMP	2223N 08342W
CAMAGUEY MILITARY CAMP COUNTRY CLUB	2121N 07751W
CAMAGUEY MILITARY CAMP	2126N 07753W

25X1

MACAGUA MILITARY CAMP	2050N 07610W
BARAJAGUA STORAGE DEPOT	2208N 08004W

25X1

SECRET

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